

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A method for indexing data, comprising:
receiving a token;
receiving different sections of a document at different times, wherein the different sections include a context section and an anchor text section;
generating sort keys for each token of multiple tokens in the different sections, wherein the sort keys are used to create posting lists that simultaneously are ordered by token and by document identifier for each token; and
for each of the multiple tokens:
determining ~~whether~~ if a data field associated with the token is a fixed width or a variable width, wherein the data field is fixed width for storing document content and variable width for storing document metadata;
when the data field is a fixed width, designating the token as one for which fixed width sort is to be performed; and
when the data field is a variable length, designating the token as one for which a variable width sort is to be performed.
2. (Original) The method of claim 1, wherein the token is variable width and further comprising:
transforming the variable width token into a fixed width token.
3. (Original) The method of claim 1, further comprising:
performing a fixed width sort on one of dual code paths and a variable width sort on the other of dual code paths.
4. (Currently Amended) The method of claim 1, ~~further comprising:~~
~~generating~~ wherein a sort key ~~that~~ includes a token type, a token, a document identifier, a document section, and an offset in a document.

5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Currently Amended) The method of claim [[7]] 1, further comprising:
using the sort keys to bring together multiple sections of a document.
9. (Currently Amended) The method of claim 1, further comprising:
sorting on certain bits of [[a]] each of the sort key keys containing multiple bits.
10. (Currently Amended) The method of claim 9, further comprising:
sorting on uppermost bits of each of the sort ~~key~~ keys.
11. (Currently Amended) A computer system including logic for indexing data,
comprising:
a processor; and
~~receiving a token;~~
receiving different sections of a document at different times, wherein the different
sections include a context section and an anchor text section;
generating sort keys for each token of multiple tokens in the different sections, wherein
the sort keys are used to create posting lists that simultaneously are ordered by token and by
document identifier for each token; and
for each of the multiple tokens:
determining whether if a data field associated with the token is a fixed width or a
variable width, wherein the data field is fixed width for storing document content and variable
width for storing document metadata;
when the data field is a fixed width, designating the token as one for which fixed width
sort is to be performed; and

when the data field is a variable length, designating the token as one for which a variable width sort is to be performed.

12. (Original) The computer system of claim 11, wherein the token is variable width and wherein the logic further comprises:

transforming the variable width token into a fixed width token.

13. (Original) The computer system of claim 11, wherein the logic further comprises: performing a fixed width sort on one of dual code paths and a variable width sort on the other of dual code paths.

14. (Currently Amended) The computer system of claim 11, wherein ~~the logic further comprises:~~

~~—generating a sort key that~~ includes a token type, a token, a document identifier, a document section, and an offset in a document.

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Currently Amended) The computer system of claim [[17]] 11, wherein the logic further comprises:

using the sort keys to bring together multiple sections of a document.

19. (Currently Amended) The computer system of claim 11, wherein the logic further comprises:

sorting on certain bits of [[a]] each of the sort key keys containing multiple bits.

20. (Currently Amended) The computer system of claim 19, wherein the logic further comprises:

sorting on uppermost bits of each of the sort ~~key~~ keys.

21. (Currently Amended) An article of manufacture comprising one of hardware logic and a computer readable storage medium including a program for indexing data, wherein the hardware logic or program causes operations to be performed, the operations comprising:

~~receiving a token;~~

receiving different sections of a document at different times, wherein the different sections include a context section and an anchor text section;

generating sort keys for each token of multiple tokens in the different sections, wherein the sort keys are used to create posting lists that simultaneously are ordered by token and by document identifier for each token; and

for each of the multiple tokens:

determining ~~whether~~ if a data field associated with the token is a fixed width or a variable width, wherein the data field is fixed width for storing document content and variable width for storing document metadata;

when the data field is a fixed width, designating the token as one for which fixed width sort is to be performed; and

when the data field is a variable length, designating the token as one for which a variable width sort is to be performed.

22. (Original) The article of manufacture of claim 21, wherein the token is variable width and wherein the operations further comprise:

transforming the variable width token into a fixed width token.

23. (Original) The article of manufacture of claim 21, wherein the operations further comprise:

performing a fixed width sort on one of dual code paths and a variable width sort on the other of dual code paths.

24. (Currently Amended) The article of manufacture of claim 21, wherein ~~the operations further comprise:~~

~~—generating~~ a sort key ~~that~~ includes a token type, a token, a document identifier, a document section, and an offset in a document.

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Currently Amended) The article of manufacture of claim ~~[[27]]~~ 21, wherein the operations further comprise:

using the sort keys to bring together multiple sections of a document.

29. (Currently Amended) The article of manufacture of claim 21, wherein the operations further comprise:

sorting on certain bits of ~~[[a]]~~ each of the sort key keys containing multiple bits.

30. (Currently Amended) The article of manufacture of claim 29, wherein the operations further comprise:

sorting on uppermost bits of each of the sort ~~key~~ keys.